

Title (en)
ENHANCEMENT OF ALKALINE PHOSPHATASE WITH SDS IN CHEMILUMINESCENT SUBSTRATES AND ENZYME INHIBITION ASSAYS

Title (de)
VERSTÄRKUNG DER ALKALISCHEN PHOSPHATASE DURCH SDS ALS CHEMILUMINESZSUBSTRAT UND VERFAHREN ZUR ENZYMINHIBITION

Title (fr)
RENFORCEMENT DE PHOSPHATASES ALCALINES A L'AIDE DE SDS DANS DES SUBSTRATS CHIMILUMINESCENTS ET DES DOSAGES D'INHIBITION D'ENZYMES

Publication
EP 0832296 B1 20050824 (EN)

Application
EP 96921438 A 19960607

Priority

- US 9609767 W 19960607
- US 47275695 A 19950607
- US 61095596 A 19960305

Abstract (en)
[origin: WO9641015A2] A method of preparing a homogeneous alkaline phosphatase-oligonucleotide probe conjugate having high specific enzyme activity for use in nucleic acid hybridization assays is disclosed. Methods and compositions for enhancing the chemiluminescence from a stable 1,2-dioxetane triggered to produce a chemiluminescence are also disclosed. Indirect, competitive nucleic acid hybridization assay formats are also described that employ these methods and compositions.

IPC 1-7
C12Q 1/68; **G01N 33/58**

IPC 8 full level
C12N 15/09 (2006.01); **C12Q 1/68** (2006.01); **G01N 21/78** (2006.01); **G01N 33/53** (2006.01); **G01N 33/58** (2006.01)

CPC (source: EP US)
C12Q 1/6816 (2013.01 - EP US); **C12Q 1/6834** (2013.01 - EP US); **G01N 33/581** (2013.01 - EP US); **G01N 33/582** (2013.01 - EP US); **G01N 2333/916** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9641015 A2 19961219; **WO 9641015 A3 19970501**; AT E302856 T1 20050915; AT E415494 T1 20081215; AU 6266396 A 19961230; AU 716770 B2 20000309; DE 69635109 D1 20050929; DE 69635109 T2 20060614; DE 69637766 D1 20090108; EP 0832296 A2 19980401; EP 0832296 B1 20050824; EP 1616966 A2 20060118; EP 1616966 A3 20071003; EP 1616966 B1 20081126; ES 2247605 T3 20060301; ES 2315769 T3 20090401; JP H11507531 A 19990706; US 5853974 A 19981229

DOCDB simple family (application)
US 9609767 W 19960607; AT 05018281 T 19960607; AT 96921438 T 19960607; AU 6266396 A 19960607; DE 69635109 T 19960607; DE 69637766 T 19960607; EP 05018281 A 19960607; EP 96921438 A 19960607; ES 05018281 T 19960607; ES 96921438 T 19960607; JP 50199197 A 19960607; US 61095596 A 19960305